

**Notice of Allowability**

Application No.

10/623,839

Applicant(s)

VALMIKI ET AL.

Examiner

Sajous Wesner

Art Unit

2628

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response filed on 3/29/07 and 4/25/07.
2. ☒ The allowed claim(s) is/are 1, 3-8, 10-14, 16-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 3/29/07
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
Sajous Wesner  
Primary Examiner  
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### **DETAILED ACTION**

This communication is responsive to the Request for a Continued Examination (RCE), Information Disclosure Statement, and response dated on 3/29/07 and 4/25/07, respectively. Claims 1, 3-8, 10-14, 16-17 are presented for examination.

#### ***Allowable Subject Matter***

1. Claims 1, 3-8, 10-14, 16-17 are allowed over the prior art.

#### ***Reasons for Allowance***

2. The following is an examiner's statement of reasons for allowance:

The prior art of record fail to teach a method of decoding MPEG data comprising a plurality of macroblocks with header and block layer data by receiving a plurality of rows of the MPEG data, each row comprising the plurality of macroblocks comprising decoding the header of the macroblock using a first processing element, and decoding the block layer data using a second processing element that is different from the first processing element, wherein decoding the header of a first macroblock on a first one of the plurality of rows while concurrently decoding the block layer data of a second macroblock on a second one of the plurality of rows (as recited in claim 1); decoding the header of at least one other macroblock using a third processing element concurrently with decoding of the header of said at least one macroblock using the first processing element; and decoding the block layer data of said at least one other macroblock

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using a fourth processing element concurrently with decoding of the block layer data of said at least one macroblock using the second processing element (as recited in claims 7 and 14). The prior art fails also teach the above mention method including a variable length decoder for decoding the block layer data of said at least one macroblock, the variable length decoder being separate from the processor; and wherein the MPEG data is organized into a plurality of rows, each row comprising the plurality of macroblocks, and wherein the processor decodes the header of a first macroblock on a first one of the plurality of rows, while the variable length decoder concurrently decodes the block layer data of a second macroblock on a second one of the plurality of rows (as recited in claim 8). Accordingly, claims 1, 3-8, 10-14, 16-17 of the instant application are allowed over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sajous Wesner whose telephone number is 571-272-7791. The examiner can normally be reached on M-F 11:00-7:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee M. Tung can be reached on 571-272-7794. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Sajous Wesner  
Primary Examiner  
Art Unit 2628

WS  
5/7/07